

FIG. 1A

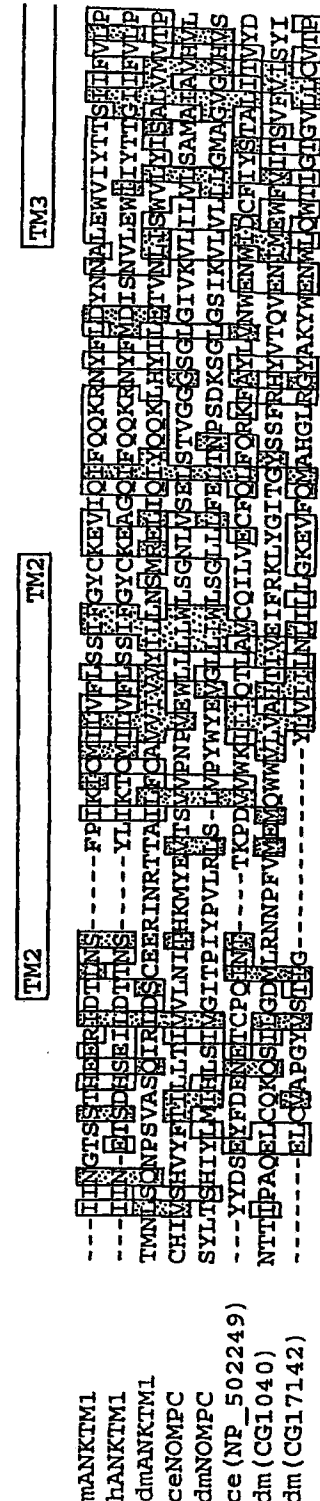
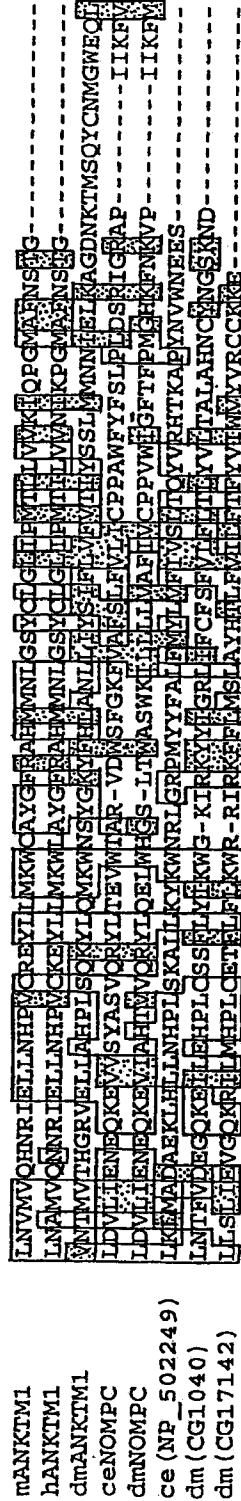


FIG. 1B

	TM3	TM4	TM5
mANKTM1	LFINIP	ANMOQCAIAIAFFYMMNELILQRFENCIGIVMLEVFEKTIIRSTGVFIFLLA	
hANKTM1	LFVEIP	AHLOQCAIAIAFFYMMNELILQRFENCIGIVMLEVILKTLIRSTVIFELLLA	
dmANKTM1	AFQPDG	ATRHSAASIAAFSLMERLLLFLOREDOVGIMVMMELIIITLIMVITFSLELA	
ceNOMPC	AFLPRVFLTHLDNDEKLEHFAFM	FLKNQLFAFAALIFVEYIDFLITVHEIFCPMAIIRDMVILARFLIIMETVAG	
dmNOMPC	AFLFVS	FLKNQLFAFAALIFVEYIDFLITVHEIFCPMAIIRDMVILARFLIIMETVAG	
ce (NP_502249)	FSECSITSG	VRQNMQILIALCEFFMINLLEMPMPFEGIEVVMVEVDIKKIFRFEFEVIFFLA	
dm (CG1040)	YTNKT	YTFQNHIGAFAMLLGMINIMLMGQLPFAFVAVMIVITRQGEFAKLFVASCMLIG	
dm (CG17142)	ETRTDDLT	APVWQHVAIVLVLVMEELMMMLGRFFPFGVAVQVMTAVNPFIFLIIHCLINA	
	TM5		
mANKTM1	FGLSFYVILN	FSTPLSTVQTFPSMMLCEINMMDAFBELLFR	NELAYPVL
hANKTM1	FGLSFYILIN	FSSPLSTVQTFPSMMLCEINMMDAFBELLFR	NELAHFVL
dmANKTM1	FGLAFYLLSKLIDPOFNHLS	FSNIPMSLLRTFSMMLGELDEVTGKNTVVR	DOLKVEIT
ceNOMPC	FILHVTSEFO	LASPSQILEMIFFSIFGLVEPDSPPPLHLV	POFAKIP
dmNOMPC	FSCHIVALNO	FSNIPMSLLRTFSMMLGELDEVTGKNTVVR	POFAKIP
ce (NP_502249)	FSSSFYVILQ	FSTINSPKATIKVMGGEFFETGTFHGDETHAEMFGBAHTA	PEFLIEVS
dm (CG1040)	FTHSFVIFFP	FANIDMCFITVLVMMGEODLSILITINPEGID	PEFLIEVS
dm (CG17142)	FGLSFYVILN	FENITWSEFKSITMMSGELEFFEDIFYGDI	AKRFEVIT
	TM6		
mANKTM1	TFGOLFAFTVFVPIVLMNLLIGLAVGDIARVQKHAS	LKRLAMQVVELHNTLEKLPWYLRKVDQ	RSTI
hANKTM1	SPAQLSFTTHFVPIVLMNLLIGLAVGDIARVQKHAS	LKRLAMQVVELHNTLEKLPWYLRKVDQ	RSTI
dmANKTM1	SPATLSFEMHITPPIVLMNLLIGLAVGDIARVQKHAS	LKRLAMQVVELHNTLEKLPWYLRKVDQ	METI
ceNOMPC	LKLLFCFAMVTLVILVLLNLLVMSDITYORQAQSDKEWKFGAHLIR-QANKRSATPSPEANMLIKITI	LKRLAMQVVELHNTLEKLPWYLRKVDQ	VLRV
dmNOMPC	FKIMFCEAMVSVVAVLNLNLLVMSDITYORQVLLNALLSNSTIFENSFYFNHXYIN--RILHCYLI	LKRLAMQVVELHNTLEKLPWYLRKVDQ	ILYF
ce (NP_502249)	ACALFFFFQCHIMHILNLLIGLAVDDIKGVQENAE	LKRLAMQVVELHNTLEKLPWYLRKVDQ	ILYF
dm (CG1040)	AOINFMVLPFVPIVLMNLLIGLAVDDIKGVQENAE	LKRLAMQVVELHNTLEKLPWYLRKVDQ	ILYF
dm (CG17142)	AHIFLSEMLIVIVVILNLLIGLAVSDIOGLQVSPA	LKRLAMQVVELHNTLEKLPWYLRKVDQ	ILYF

FIG. 1C

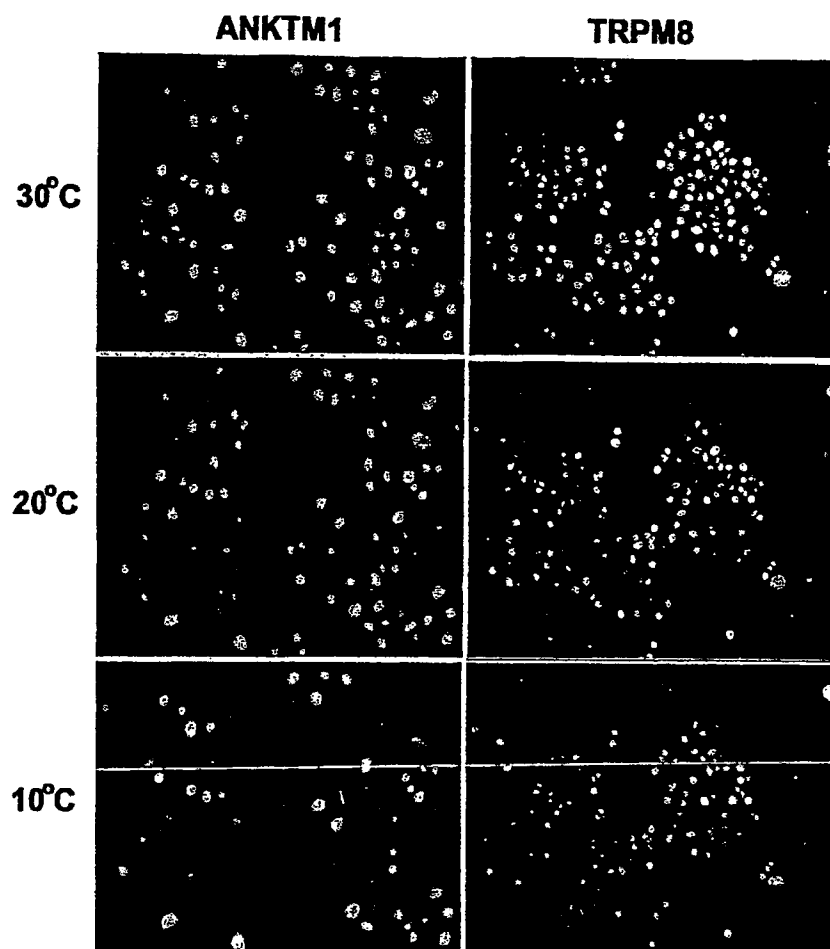
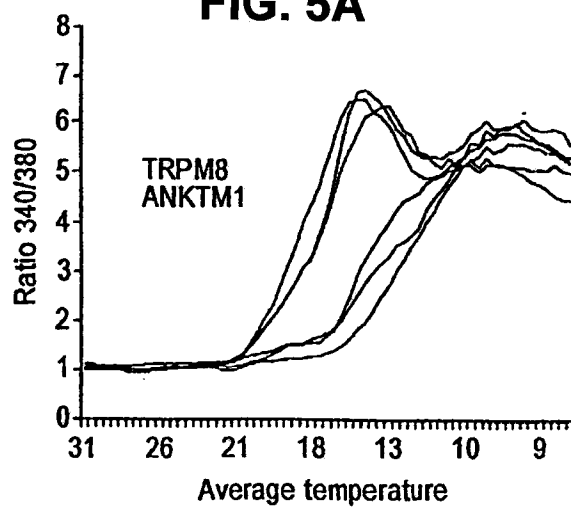
**FIG. 5A****FIG. 5B**

FIG. 7A

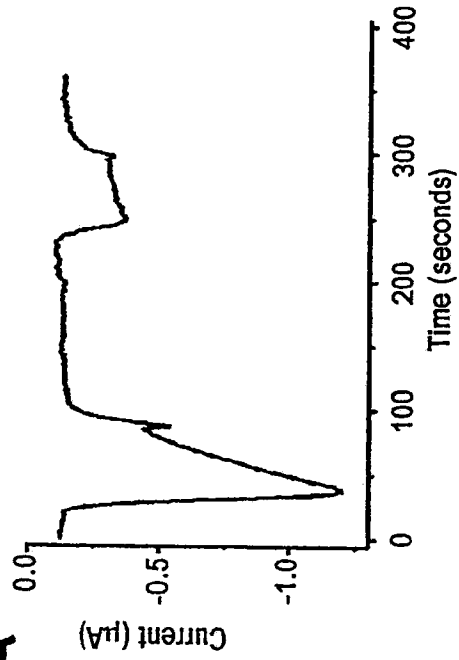


FIG. 7C

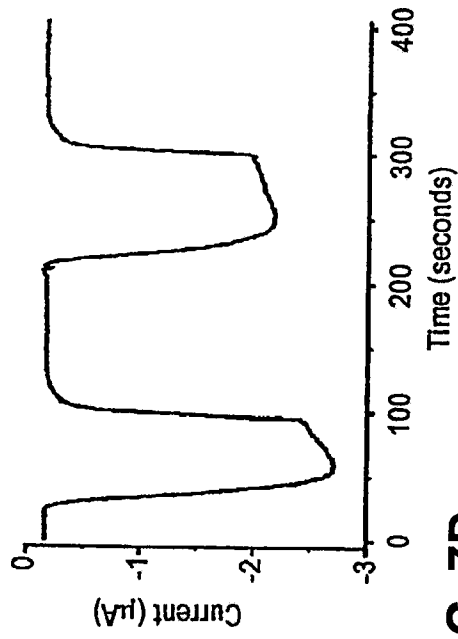


FIG. 7B

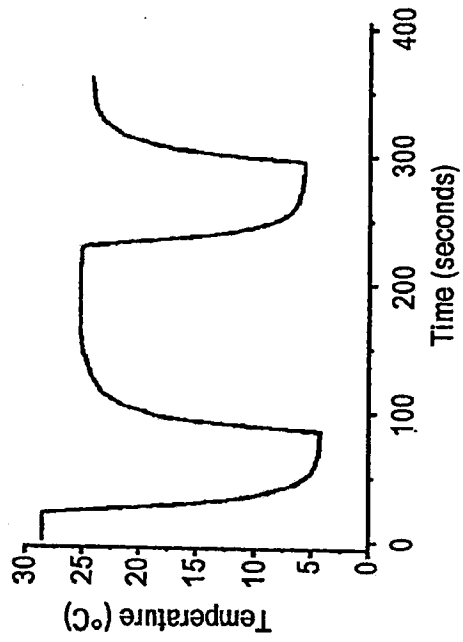


FIG. 7D

